

1. An extended length light emitting diode comprising:

- a. an extended LED body region substantially integral to and extending and making longer the length of the body of a light emitting diode;
- b. the extended length light emitting diode, which conforms to a cylindrically or other geometrically shaped LED body, extends over and about a portion of the LED electrical connection leads, thereby insulating and supporting the covered portion of the connection leads;
- c. such extension of the light emitting diode body terminates as a base which can align flush to a printed circuit board; and,
- d. the extended length of the light emitting diode allows for auto-insertion into a printed circuit board without an interceding spacer between the printed circuit board and extended length light emitting diode.